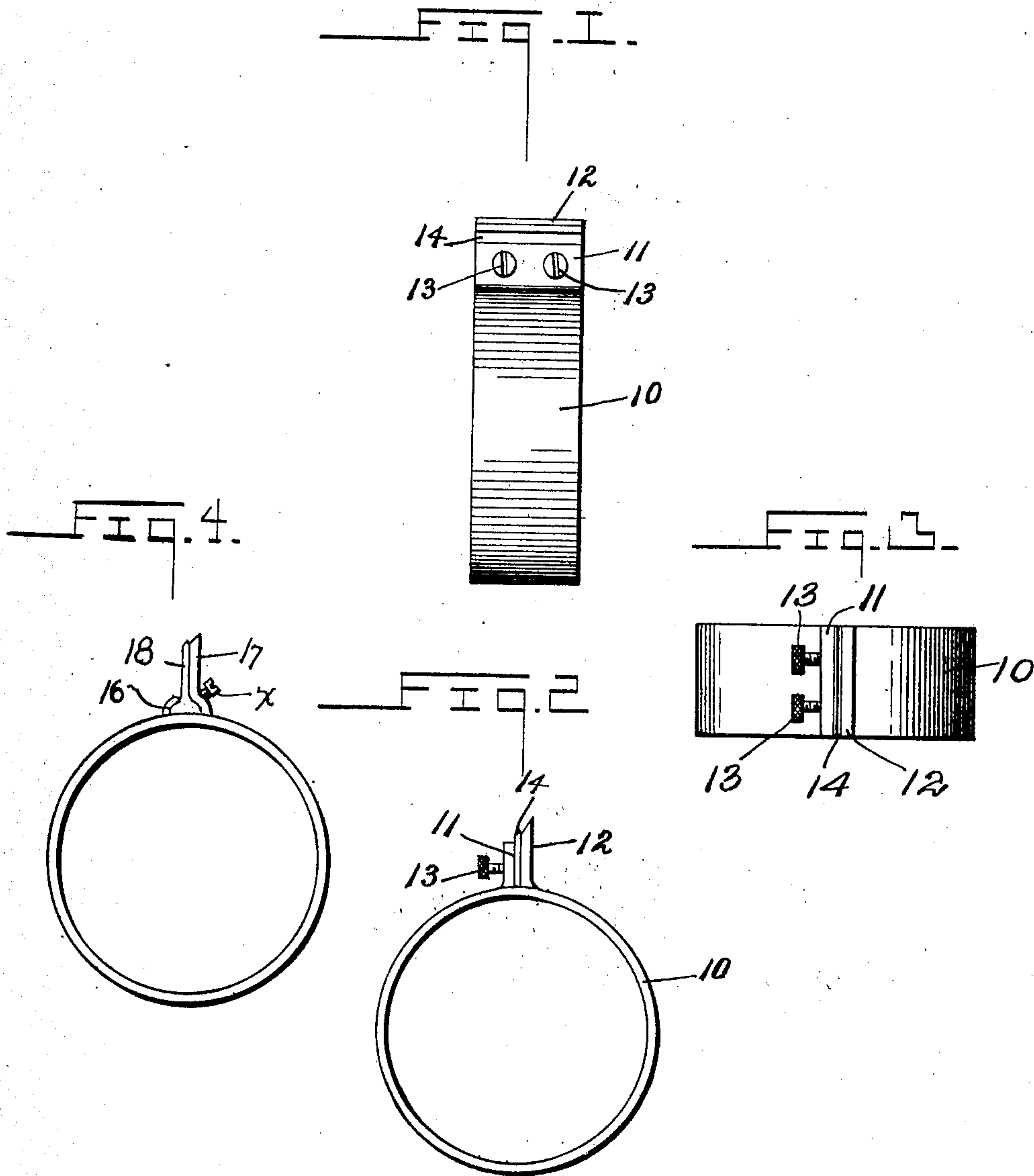


916,515.

A. J. WILLETTS.
TWINE CUTTER.
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Patented Mar. 30, 1909.



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ANDREW J. WILLETTS, OF MINNEAPOLIS, MINNESOTA.

TWINE-CUTTER.

No. 916,515.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ANDREW J. WILLETTS, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Twine-Cutters, of which the following is a specification.

This invention relates to cutlery and has special reference to a device which is employed in cutting twine and the like.

An object of this invention is the provision of a device of this character that may be applied to the thumb of the operator so that twine or the like may be cut easily and quickly during the packaging and tying of articles.

The invention further designs a device of this character which is to be worn on the thumb of the operator with a guard for the purpose of shielding the fingers of the operator while using the same to prevent the cutting of the fingers when the operator is employed in other work than cutting of the twine.

The invention has for a still further object the provision of a device of this character which is provided with means whereby the cutting blade may be removed from the device in order to be sharpened.

Other objects and advantages will be apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the claims without departing from the spirit of the invention.

In the drawings forming a portion of this specification, and in which like characters of reference indicate similar parts in the several views, Figure 1 is a side elevation of the complete device, Fig. 2 is an edge elevation of the same, Fig. 3 is a top plan view of the device, Fig. 4 is a side elevation of a modified form of the device.

Referring to the drawings, 10 designates a metallic band which is adapted to be placed about the thumb of the operator. The metallic band 10 is provided with flanges 11 and 12 which are disposed parallel upon the upper face of the band. The flange 12 is raised a slight distance above the upper edge of the flange 11 and is beveled toward its inner sur-

face. The flange 11 is provided at its opposite extremities with set screws 13 which are adapted to impinge a blade 14 against the flange 12 which forms a guard for the blade 14. The guard is so positioned in relation to the blade 14 that the outer edge is raised slightly above the cutting edge of the blade 14 while the inner edge, which is beveled is engaged against the blade 14 at a point slightly below the upper cutting edge of the same. The set screws 13 are employed for the purpose of releasing the blade 14 when it is desired to sharpen the same or to renew the same as is found necessary.

In the modification shown in Fig. 4 a band 15 is employed to encircle the thumb of the operator which is provided upon its upper face with undercut flanges 16 and 17 to engage the lower flanged extremity of a blade 18. If the construction shown in this modified form is preferred the blade 18 must be frictionally engaged between and beneath the flanges 16 and 17 and in order to hold the same securely in position set screws X are engaged in the flange 17. The modified form shown in Fig. 4 discloses the flange 17 as being raised above the flange 16 parallel with the blade 18 to form a guard therefor and is beveled upon its upper extremity to admit of free access to the edge of the blade 18. When it is desired to remove the blade 18 for the purpose of sharpening or of renewing the same it is necessary to insert an instrument between the flanges 16 and 17 and to force the blade 18 longitudinally from between the flanges.

What is claimed is:—

1. In a cutting device the combination of a band, a flange positioned upon the upper face of said band, a second flange disposed in parallel on said band and extended beyond the upper edge of said first flange, a blade disposed between said flanges, one side thereof engaged against said second flange and set screws carried by said first flange for engagement with said blade for impinging the same against said second flange.

2. In a device of the class described the combination of a band with parallel flanges disposed upon said band, a blade secured between said flanges, one of said flanges extended upwardly beyond the edge of said

blade and against the side of the same as far
as the cutting edge thereof, the opposite of
said flanges extended about a flange formed
at the lower edge of said blade and set
5 screws carried by one of said flanges for en-
gagement with said blade to secure the same
in position.

In testimony whereof I affix my signature,
in presence of two witnesses.

ANDREW J. WILLETTS.

Witnesses:

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